

## ABSTRACT

A position detection device including a substrate; a first ohmic resistor applied to the substrate and extending along an active surface of the position detector, whereby the first ohmic resistor is connected between a first terminal and a second terminal of the position detection device; a plurality of electric conductors connected to the first ohmic resistor at places that are distinct therefrom, the electric conductors extending from the first ohmic resistor inside the active surface alternating between the first electric conductors, whereby one first end of the conductor elements is connected to a third terminal of the position detection device. The conductor elements are configured as ohmic resistors extending through the active surface of the device and a second end of the conductor elements is connected to a fourth terminal of the position detection device.